RAW SEQUENCE LISTING
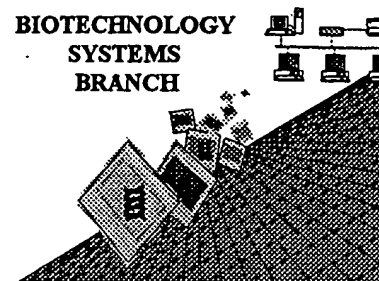# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: *09/463,470*

Art Unit / Team No. : *1644*

Date Processed by STIC: *5/12/2000*

THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED.**

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>   <u>SUGGESTED CORRECTION</u>   SERIAL NUMBER: _09/463,470_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _✓_ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

•• N/A •••

1644

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RAW SEQUENCE LISTING                    DATE: 05/12/2000
PATENT APPLICATION:  US/09/463,470      TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw
```

Does Not Comply
Corrected Diskette Needed

Please insert then mandatory numeric identifiers and responses

See item 13 on Error Summary sheet

The only valid responses, per Sequence Rules, are: Artificial Sequence, Unknown or scientific name (Genus/species)

see circled portion of item 12 on Error Summary sheet

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C-->  3 <140> CURRENT APPLICATION NUMBER: US/09/463,470
C-->  3 <141> CURRENT FILING DATE: 2000-01-20
W-->  0 <110> APPLICANT:
W-->  0 <120> TITLE INVENTION:
W-ok  0 <130> FILE REFERENCE:
      3 <150> PRIOR APPLICATION NUMBER: 60/053,211
      5 <151> PRIOR FILING DATE: 1997-07-21
      9 <150> PRIOR APPLICATION NUMBER: 9704170-1 (SE)
     11 <151> PRIOR FILING DATE: 1997-11-14
     15 <160> NUMBER OF SEQ ID NOS: 23
     19 <170> SOFTWARE: PatentIn Ver. 2.0
     23 <210> SEQ ID NO: 1
     25 <211> LENGTH: 33
     27 <212> TYPE: DNA
     29 <213> ORGANISM: Synthetic
     33 <400> SEQUENCE: 1
     35 atataagctt ccaccatggg ccacacacgg agg                    33
     39 <210> SEQ ID NO: 2
     41 <211> LENGTH: 35
     43 <212> TYPE: DNA
     45 <213> ORGANISM: Synthetic
     49 <400> SEQUENCE: 2
     51 acgcagatct ttagttatca ggaaaatgct cttgc                  35
     55 <210> SEQ ID NO: 3
     57 <211> LENGTH: 39
     59 <212> TYPE: DNA
     61 <213> ORGANISM: Synthetic
     65 <400> SEQUENCE: 3
     67 tcaaagcttc tcgagcgcgc tgttatcagg aaaatgctc              39
     71 <210> SEQ ID NO: 4
     73 <211> LENGTH: 46
     75 <212> TYPE: DNA
     77 <213> ORGANISM: Synthetic
     81 <400> SEQUENCE: 4
     83 cgcgcgtcag gctaacgaac tgccaggcgc cccgtcacag agacga       46
     87 <210> SEQ ID NO: 5
     89 <211> LENGTH: 60
     91 <212> TYPE: DNA
     93 <213> ORGANISM: Synthetic
     97 <400> SEQUENCE: 5
     99 agcttcgtct cacgcgcgtt cttcctgtga cggggcgcct ggcagttcgt tagcctgacg 60
    103 <210> SEQ ID NO: 6
    105 <211> LENGTH: 32
    107 <212> TYPE: DNA
    109 <213> ORGANISM: Synthetic
    113 <400> SEQUENCE: 6
    115 tggtacacca cagaagacag cttgtatgta tg                     32
```

RECEIVED

RAW SEQUENCE LISTING   DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470   TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

119 <210> SEQ ID NO: 7
121 <211> LENGTH: 32
123 <212> TYPE: DNA
125 <213> ORGANISM: Synthetic
129 <400> SEQUENCE: 7
131 catacataca agctgtcttc tgtggtgtac ca   32
135 <210> SEQ ID NO: 8
137 <211> LENGTH: 33
139 <212> TYPE: DNA
141 <213> ORGANISM: Synthetic
145 <400> SEQUENCE: 8
147 cgaataagaa agacgtcact gttcaggagt tgg   33
151 <210> SEQ ID NO: 9
153 <211> LENGTH: 33
155 <212> TYPE: DNA
157 <213> ORGANISM: Synthetic
161 <400> SEQUENCE: 9
163 ccaactcctg aacagtgacg tctttcttat tcg   33
167 <210> SEQ ID NO: 10
169 <211> LENGTH: 32
171 <212> TYPE: DNA
173 <213> ORGANISM: Synthetic
177 <400> SEQUENCE: 10
179 gagataataa agttattaac tcagaaaaca tg   32
183 <210> SEQ ID NO: 11
185 <211> LENGTH: 32
187 <212> TYPE: DNA
189 <213> ORGANISM: Synthetic
193 <400> SEQUENCE: 11
195 catgtttтct gagttaataa ctttattatc tc   32
199 <210> SEQ ID NO: 12
201 <211> LENGTH: 49
203 <212> TYPE: DNA
205 <213> ORGANISM: Synthetic
209 <400> SEQUENCE: 12
211 cgcggatccg cgcggcacca ggccgctgtt atccggaaaa tgctcttgc   49
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217 <211> LENGTH: 77
219 <212> TYPE: DNA
221 <213> ORGANISM: Synthetic
225 <400> SEQUENCE: 13
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229 ccgcaggtcc aactgca   77
233 <210> SEQ ID NO: 14
235 <211> LENGTH: 69
237 <212> TYPE: DNA
239 <213> ORGANISM: Synthetic
243 <400> SEQUENCE: 14
245 gttggacctg cgggcgttct tcctgtgacg gggcgcctgg cagttcgtta gcctgacgcg 60

```
          RAW SEQUENCE LISTING                    DATE: 05/12/2000
          PATENT APPLICATION:   US/09/463,470     TIME: 11:03:36

          Input Set : A:\SEQ.txt
          Output Set: N:\CRF3\05122000\I463470.raw
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247 cgctgttat                                                     69
251 <210> SEQ ID NO: 15
253 <211> LENGTH: 18
255 <212> TYPE: PRT
257 <213> ORGANISM: Synthetic
261 <400> SEQUENCE: 15
263 Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
265  1               5                  10                  15
269 Arg Pro
277 <210> SEQ ID NO: 16
279 <211> LENGTH: 18
281 <212> TYPE: PRT
283 <213> ORGANISM: Synthetic
287 <400> SEQUENCE: 16
289 Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
291  1               5                  10                  15
295 Arg Pro
303 <210> SEQ ID NO: 17
305 <211> LENGTH: 84
307 <212> TYPE: DNA
309 <213> ORGANISM: Synthetic
313 <400> SEQUENCE: 17
315 gcggatcccg gtccgcgtca ggctaacgaa ctgccaggag ctccgtctca ggaagagcgt 60
317 gcacctactt caagttctac aaag                                    84
321 <210> SEQ ID NO: 18
323 <211> LENGTH: 38
325 <212> TYPE: DNA
327 <213> ORGANISM: Synthetic
331 <400> SEQUENCE: 18
333 ccgaattcgc tagcttatca agttagtgtt gagatgat                     38
337 <210> SEQ ID NO: 19
339 <211> LENGTH: 11
341 <212> TYPE: PRT
343 <213> ORGANISM: Synthetic
347 <400> SEQUENCE: 19
349 Pro Ala Ser Gly Gly Gly Gly Ala Gly Gly Pro
351  1               5                  10
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359 <211> LENGTH: 17
361 <212> TYPE: PRT
363 <213> ORGANISM: Synthetic
367 <400> SEQUENCE: 20
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371  1               5                  10                  15
375 Arg
383 <210> SEQ ID NO: 21
385 <211> LENGTH: 17
387 <212> TYPE: PRT
389 <213> ORGANISM: Synthetic
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RAW SEQUENCE LISTING   DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470   TIME: 11:03:36

        Input Set : A:\SEQ.txt
        Output Set: N:\CRF3\05122000\I463470.raw

393 <400> SEQUENCE: 21
395 Gly Pro Arg Gln Ala Lys Thr Leu Pro Gly Ala Pro Ser Gln Thr Thr
397   1   5   10   15
401 Arg
409 <210> SEQ ID NO: 22
411 <211> LENGTH: 17
413 <212> TYPE: PRT
415 <213> ORGANISM: Synthetic
419 <400> SEQUENCE: 22
421 Gly Pro Thr Gly Ala Asp Glu Leu Pro Gly Ala Pro Ser Glu Glu Glu
423   1   5   10   15
427 Thr
435 <210> SEQ ID NO: 23
437 <211> LENGTH: 17
439 <212> TYPE: PRT
441 <213> ORGANISM: Synthetic
445 <400> SEQUENCE: 23
447 Gly Pro Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
449   1   5   10   15
453 Arg

VERIFICATION SUMMARY   DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470   TIME: 11:03:37

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

L:3 M:270 C: Current Application Number differs, Replaced Current Application No
L:3 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:201 W: Mandatory field data missing, APPLICANT NAME
L:0 M:201 W: Mandatory field data missing, TITLE INVENTION
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE